07-LA-710 PM 17.4/21.0
201.335
EA 28920K
EFIS 0700021113
August 2011

PROJECT STUDY REPORT

To

Request for Programming in the 2012 SHOPP

On Route 710

From Los Angeles River

To Slauson Ave

APPROVAL RECOMMENDED: _____
DENNIS SNYDER, PROJECT MANAGER

APPROVED: _____ 8/31/11
MICHAEL MILES, DISTRICT DIRECTOR *DATE*

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On Route I-710

From Los Angeles River

To Slauson Ave Overcrossing

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This Project Study Report has been prepared under the direction of the following licensed Landscape Architect. The licensed Landscape Architect attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

JENNIFER TAIRA, LICENSED LANDSCAPE ARCHITECT — *DATE* 8.25.11

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1. INTRODUCTION

The Source Control project will stabilize the soil surface to control erosion on Route I-710 from the Los Angeles River to Slauson Avenue from PM 17.4-21.0 in the Cities of South Gate and Bell. Soil is eroding from slopes in many locations throughout the project limits, affecting water quality by increasing the amount of run-off, sediment and associated pollutants into the stormwater drain system and nearby receiving waters of the Los Angeles River. As confirmed in the Soil Resource Evaluation (SRE) project (RTA # 43A0073, Task Order 20) prepared for Caltrans in 2005, shallow slope failures (<1 foot deep) can be stabilized by root and soil development, providing lateral drainage with strength to hold soil. Successful revegetation will include remediation of soils and irrigation.

See the Cost estimate for specific work items included in this project.

Project Limits (Dist., Co., Rte., PM)	07-LA-710 PM 17.4/21.0
Pollutants of Concern	Trash, Oil, Lead, Copper, Ammonia, Nutrients (Algae), Coliform Bacterial
Estimate of Acres to be Treated	34.4 Acres
Number of Alternatives:	2
Alternative Recommended for Programming:	2
Proposed Capital Construction Costs	$3,000,000
Proposal Capital Right of Way Costs:	$0
Funding Source:	SHOPP
Type of Facility (conventional, expressway, freeway):	Freeway
Number of Structures:	None
Anticipated Environmental Determination/Document	Categorical Exemption (CE)
Legal Description	On Route 710 from Los Angeles River to Slauson Avenue Overcrossing
Project Category	5

A project report will serve as approval of the "selected" alternative.

2. BACKGROUND

The existing facility varies between cut slopes no greater than 2:1 and at-grade freeway in Los Angeles. The last time a landscape project was completed in this area was approximately 20 years ago. The loss of trees and groundcover has increased the amount of erosion through the area. Because of the bare ground, erosion is on increase leading to the formation of gullies and rills. In other areas, soil can be found along the

base of the slopes or in the shoulders with potential for it running into the drainage system during the rainy season. Currently, there is no storm water treatments found within this area to catch the soil eroding off the slopes. This project will not create any new slopes. However, temporary disturbance to the existing slopes are unavoidable during the installation of the planting and irrigation work while in construction.

The hydrologic unit for this area on Route 710 is the Los Angeles River, the hydrologic Sub-Area is 412.10 (Los Angeles). The Los Angeles River Reach 2 is on the 303 (d) list. There are three established Total Maximum Daily Loads (TMDLs) in the Los Angeles River Reach 2 watershed. The three TMDLs are The Los Angeles River Nitrogen Compounds and Related Effects TMDL, The Los Angeles River and Tributaries Metals TMDL, and The Los Angeles River Trash TMDL. There is a future TMDL: The Los Angeles River Indicator Bacteria TMDL. The pollutants of concern are trash, oil, lead, copper, ammonia, nutrients (algae) and coliform bacteria. There are no drinking water reservoirs and/or recharge facilities within the project limits.

3. PURPOSE AND NEED STATEMENT

Need:

The Statewide National Pollution Discharge Elimination System (NPDES) Permit (Order No 99-06-DWQ) requires Caltrans to maximize erosion control and soil stabilization. Section IIa requires identifying road segments with slopes that are prone to erosion and discharge of sediment and stabilize these slopes to the extent possible. Section IIb requires enhancement of the use of appropriate vegetation throughout Caltrans right of way for the purpose for preventing erosion and removing pollutants in storm water and non-storm water runoff.

Purpose:

The purpose of this project is to comply with the Statewide NPDES Permit requirement to fix slopes having chronic erosion problems.

4. DEFICIENCIES

The project area has soil eroding from the slopes in many locations throughout the project limits, affecting water quality by increasing the amount of run-off, sediment and associated pollutants into the stormwater drain system. In other areas, soil can be found along the base of the slopes or in the shoulders with potential for it running into the drainage system during the rainy season. Currently, there is no storm water treatments found within this area to catch the soil eroding off the slopes. In early 2010 a field inspection was completed with Ed Siribohdi, Landscape Maintenance and Jennifer Taira, Landscape Design to determine the project scope and feasibility for the 2012 SHOPP program. It was determined that the eroded slopes needed to be fixed using the 335 program. The recommendations to address these chronic eroded slopes can be found in Section 6 Alternatives of this document. After the field visit, it was later determined between Ed Siribohdi, Jennifer Taira, Robert Wu, District 7 - 335 Program Advisor, and Dennis Snyder, Project Manager to propose this project into the 2012 SHOPP under the 335 program.

5. CORRIDOR AND SYSTEM COORDINATION

The District has commissioned Corridor Storm-Water Management Studies from the consultant CH2MHill in response to a January 17, 2008 stipulation and court order to prepare corridor storm water management studies on District 7 drainage systems located within Los Angeles and Ventura counties. A corridor study for this route has been completed and approved on April 2009.

This project proposal conforms to the District System Management Plan and Route Concept Plan.

6. ALTERNATIVES

Alternative 1 is the no build alternative. In this alternative the slopes would not be improved and would continue to erode. Plant material will continue to decay causing further erosion and sediment washing into the drains. Slopes would not be stabilized as required in the Statewide NPDES permit.

Alternative 2 is the preferred alternative. Under this proposal, 1-gallon prostrate shrubs will be utilized as groundcover. This is an economical method of quickly covering the ground plane and providing long-term permanent treatment. These prostrate shrubs will be used at the top of slope to ensure full coverage. Cuttings or liners will be used from the toe of slope upwards approximately 20 feet. Trees and mulch will also be utilized on the slopes. Installation of new irrigation equipment is necessary to establish and maintain the plant material. Studies have shown that trees help manage stormwater flow by intercepting rainfall and slowing the rate at which it runs over the surface of the land and seeps into the ground. When trees are present, the flow of water is spread over a greater amount of time, and the impact of the storm on the facilities built to handle it at any one time is smaller. Trees are also natural pollution filters. Their canopies, trunks, roots, and associated soil and other natural elements of the landscape filter polluted particulate matter out of the flow toward the storm sewers. Reducing the flow of stormwater reduces the amount of pollution that is washed into a drainage area. American Forests and University of California, Davis, USDA Forest Services all have studies regarding rainfall interception through the use of trees. There will be no slope or gore paving on this project.

All work will be done within Caltrans Right-of-Way. The project will require a three year plant establishment period.

7. COMMUNITY INVOLVEMENT

There is an on-going contract to provide a Corridor Master Plan from the Ports of Los Angeles and Long Beach to East Los Angeles that will provide consistency and continuity through the corridor include planting schemes, and all built features and their detailing. All the Cities and community groups have been actively involved. There are no additional requirements of the Regional Water Quality Control Board within these project limits at this time.

8. ENVIRONMENTAL DETERMINATION/DOCUMENT

The PSR will include a Preliminary Environmental Analysis Report (PEAR) and once the project has been programmed a Categorically Exempt (CE) document will be provided.

9. FUNDING

9A. CAPITAL COST

Capital Cost Estimate for the Alternative Identified for Programming in the 2012 SHOPP

Fiscal Year	Right of Way Capital	Construction Capital
2015	$0	$3,000,000
Total	$0	$3,000,000

9B. CAPITAL SUPPORT ESTIMATE FOR THE PROGRAMMABLE ALTERNATIVE IN THE 2012 SHOPP

	PROJECT SUPPORT COMPONENTS								
	PA&ED 0 Phase		Design 1 Phase		Right of Way 2 Phase		Construction 3 Phase		Total
	Dist	DES	Dist	DES	Dist	DES	Dist	DES	
Estimated PY's	0.53	0	2.8	0.1	0	0	3.33	0	6.76
Estimated PS $'s	96		504	25			600		1225
Estimated PYE $'s ($1000's)									0
Total $'s	96	0	504	25	0	0	600	0	1225

10. SCHEDULE0

HQ Milestones	Delivery Date (Month, Day, Year)
Begin Environmental	1/15/2013
PA & ED	9/15/2013
Project PS&E	9/1/2014
Right of Way Certification	11/15/2014
Ready to List	1/16/2015
Approve Contract	6/19/2015
Contract Acceptance	6/18/2019
End Project	12/18/2019

11. FHWA COORDINATION

No FHWA action is required for this project.

12. DISTRICT CONTACTS

Dennis Snyder, Project Manager	213-897-4299
Jennifer Taira, District Landscape Architect	213-897-0975
Garrett Damrath, Senior Environmental Planner	213-897-9016
Ed Siribohdi, Senior Landscape Architect Maintenance Engineering	213-620-4746

13. PROJECT REVIEWS

Field Review	Rick Enriquez	Date	7/21/11
District Maintenance	Ed Siribohdi	Date	8/5/11
District NPDES Coordinator	Shirley Pak	Date	8/5/11
District Quality Review	See sign in sheet	Date	8/16/11
Project Manager	Dennis Snyder	Date	8/5/11
District SHOPP Program Advisor	Steve Tran	Date	8/5/11
HQ SHOPP Program Advisor	Jagjiwan Grewal	Date	8/5/11

14. ATTACHMENTS

a) Vicinity Map
b) Engineers Estimate
c) PEAR
d) Storm Water Data Report
e) Project Development Team meeting sign in sheet
f) TMP Data Sheet
g) Preliminary Hazardous Waste Assessment

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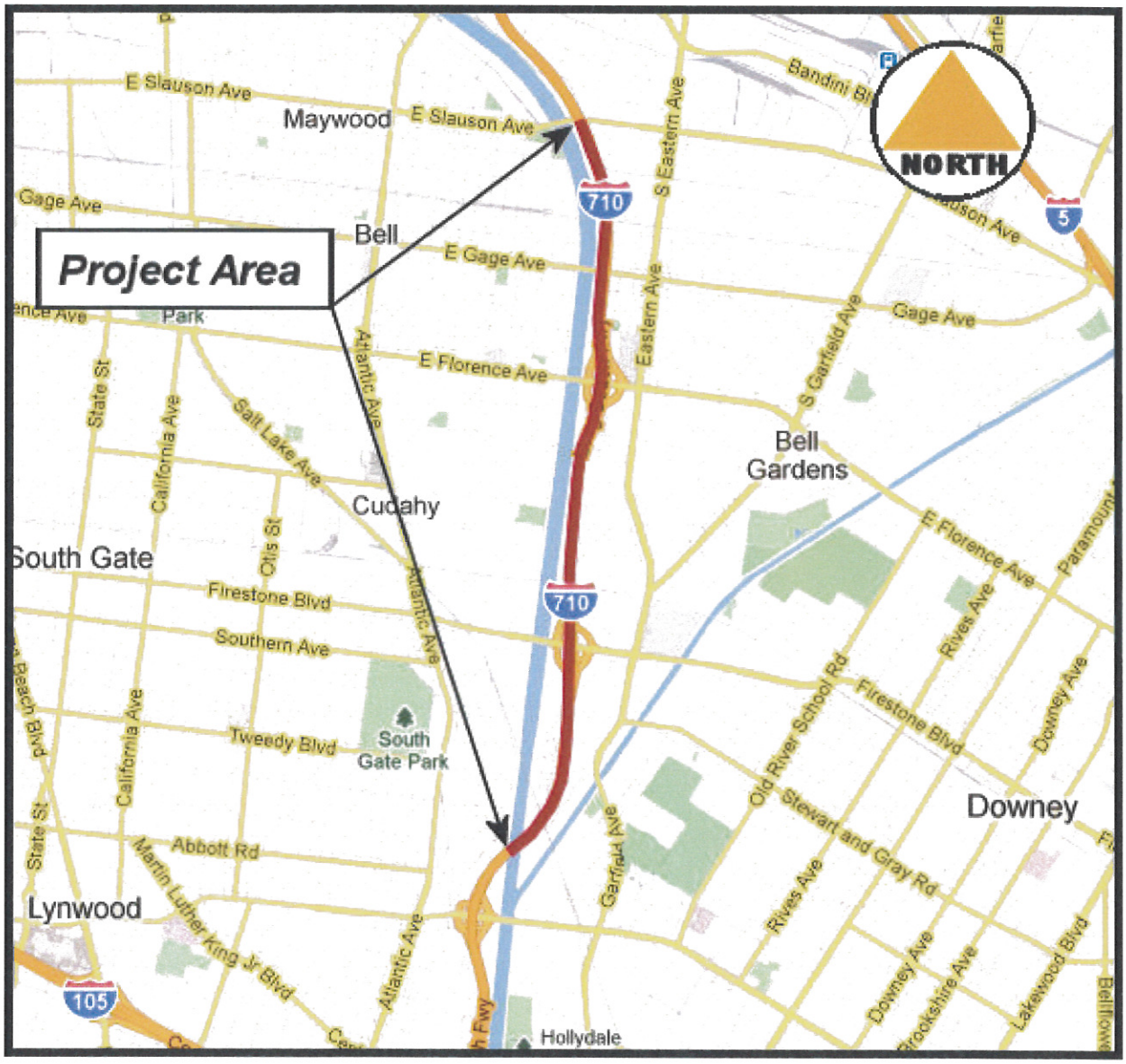


PROJECT STUDY REPORT (PSR) EA28920K
STORM WATER MITIGATION (SOURCE CONTROL)

ESTIMATE:

Item	Quantity		Unit Cost	Unit	Cost
Earthwork					
Soil removal/excavation	#cy	@		/cy =	$0
Grading	#sqyd	@		/sqyd =	$0
Import topsoil	#cy	@		/cy =	$0
Compost incorporation	#qyd	@		/qyd =	$0
Intercepter planting					
Road edge planting	#ac	@		/ac =	$0
Cuttings/flats	#ea 600,000	@	$0.40	/ea =	$240,000
Native grass sod	#sqyd	@		/sqyd =	$0
Shrubs	#ea 1200	@	$20.00	/ea =	$24,000
Trees	#ea 2000	@	$70.00	/ea =	$140,000
Irrigation	#ac 34.4	@	$30,000.00	/ac =	$1,032,000
Surface treatment & biofiltration					
Mulch	#cy 3600	@	$40.00	/cy =	$144,000
Compost blanket	#sqyd	@		/sqyd =	$0
Erosion control (drill seed)	#ac	@		/ac =	$0
Erosion control (Type C or Type D)	#ac	@		/ac =	$0
Biofiltration strips	#lf	@		/lf =	$0
Biofiltration swales	#lf	@		/lf =	$0
Course aggregate	#cy	@		/cy =	$0
Sand	#cy	@		/cy =	$0
Slope/Gore paving	#sqft	@		/sqft =	$0
Geotextile fabric	#sqyd	@		/sqyd =	$0
Drainage modification					
Drain inlets, catch basins	#ea	@		/ea =	$0
Drainline	#lf	@		/lf =	$0
Curb cuts and/or removal	#lf	@		/lf =	$0
Remove concrete lined ditch	#lf	@		/lf =	$0

PROJECT STUDY REPORT (PSR) EA28920K
STORM WATER MITIGATION (SOURCE CONTROL)

ADDITIONAL ITEMS:

Water meter	$0
Water assessment cost	$56,550
Traffic control	$75,000
Resident Engineer's field office	$120,000
Hazardous material (aerially deposited lead contamination in soil, etc,)	$2,000
Water Pollution Control	$78,000
Electrical service	$35,000
Plant Establishment	$350,000
Roadside Clearing	$64,000
TMP	$11,000
Subtotal	$2,371,550
Mobilization	$237,155
	$2,609,000
15% Contingency	$391,000
Total Estimated Project Cost	$3,000,000

PRELIMINARY ENVIRONMENTAL ANALYSIS REPORT

1. Project Information

District	County	Route	PM	EA
07	LA	710	18.7/21.0	28920K
Project Title: *Brief descriptive phrase, e.g., CAPM, Curve Re-alignment, Passing Lane, etc.* Storm Water Source Control Project/Landscaping Project				
Project Manager Dennis G. Snyder			Phone # (213)897-4299	
Project Engineer Jennifer H. Taira			Phone # (213)897-0509	
Environmental Office Chief/Manager Garrett Damrath			Phone # (213)897-9016	
PEAR Preparer Sally Moawad			Phone # (213)897-9981	

2. Project Description

Purpose and Need

It has been twenty years since a landscape project has been done in this area. The loss of trees and groundcover has increased the amount of the erosion throughout this area. So, the existing slopes are starting to show signs of rills and gullies. In other areas, soil can be found along the base of the slopes or in the shoulders with potential for it running into the drainage system during the rainy season. Currently, there is no storm water treatment found within this area to catch the soil eroding off the slopes. The project will not create any new slopes. However, temporary disturbance to the existing slopes are unavoidable during the installation if the planting and irrigation work while in construction.

Description of work

The total project limits include 34 acres of plantable right of way. It is proposed to adequately treat the bare soil to slow water runoff into the existing drainage system of 28 acres. This project will also improve infiltration, capturing sediment that contains several pollutants of concern. There is a limited amount of removal of dead and dying plant material as the existing slopes are void of any plant material. However, whatever is left removal is necessary to achieve maximum coverage of plants on the slopes using the concept of planting for source control. Installation of new irrigation equipment is necessary to establish and maintain the plant material. Under this proposal, 1-gallon prostrate shrubs will be utilized as groundcover. This is an economical method to quickly cover the ground plane and providing long term permanent treatment. These prostrate shrubs will be used at the top of the slope to ensure full coverage. Cutting or liners will be used from the toe of slope upwards approximately 20 feet. Trees and mulch will also be utilized on the slopes.

Alternatives

No Build Alternative:

No improvements would occur, but the area would continue to deteriorate.

Alternative 1:

It is proposed to adequately treat the bare soil to slow water runoff into the existing drainage system of 28 acres. This project will also improve infiltration, capturing sediment that contains several pollutants of concern. There is a limited amount of removal of dead and dying plant material as the existing slopes are void of any plant material. However, whatever is left removal is necessary to achieve maximum coverage of plants on the slopes using the concept of planting for source control. Installation of new irrigation equipment is necessary to establish and maintain the plant material. Under this proposal, 1-gallon prostrate shrubs will be utilized as groundcover. These prostrate shrubs will be used at the top of the slope to ensure full coverage. Cutting or liners will be used from the toe of the slope upwards approximately 20 feet. Trees and mulch will also be utilized on the slopes.

3. Anticipated Environmental Approval

Check the anticipated environmental determination or document for the proposed project in the table below.

CEQA		NEPA	
Environmental Determination			
Statutory Exemption	☐		
Categorical Exemption	☒	Categorical Exclusion	☒
Environmental Document			
Initial Study or Focused Initial Study with proposed Negative Declaration (ND) or Mitigated ND	☐	Routine Environmental Assessment with proposed Finding of No Significant Impact Complex Environmental Assessment with proposed Finding of No Significant Impact	☐ ☐
Environmental Impact Report	☐	Environmental Impact Statement	☐
CEQA Lead Agency (if determined):		Caltans	
Estimated length of time (months) to obtain environmental approval:		About 3 months	
Estimated person hours to complete identified tasks:		About 120 Hours	

4. Special Environmental Considerations

N/A

5. Anticipated Environmental Commitments

The following units must evaluate the project to determine if there are any environmental commitments:

- Biology
- Cultural Resources
- Hazardous Waste
- Landscape
- Hydrology
- Water Quality
- Geology
- Paleontology

6. *Permits and Approvals*

The following units must evaluate the project to determine if there are any permits and or approvals are necessary for this project:

- Biology
- Cultural Resources
- Hazardous Waste
- Landscape
- Hydrology
- Water Quality
- Geology
- Paleontology

7. *Level of Effort: Risks and Assumptions*

N/A

8. PEAR Technical Summaries

8.1 Land Use: N/A

8.2 Growth: N/A

8.3 Farmlands/Timberlands: N/A

8.4 Community Impacts: N/A

8.5 Visual/Aesthetics: Project must be evaluated by landscape architecture unit

8.6 Cultural Resources: Project must be evaluated by cultural resources unit

8.7 Hydrology and Floodplain: Project must be evaluated by hydrology unit

8.8 Water Quality and Storm Water Runoff: Project must be evaluated by water quality

8.9 Geology, Soils, Seismic and Topography: Project must be evaluated by geology unit

8.10 Paleontology: Project must be evaluated by the cultural resources unit.

8.11 Hazardous Waste/Materials: Project must be evaluated by the hazardous waste unit.

8.12 Air Quality: N/A

8.13 Noise and Vibration: N/A

8.14 Energy and Climate Change: N/A

8.15 Biological Environment: N/A

8.16 Cumulative Impacts: N/A

8.17 Context Sensitive Solutions: N/A

9. Summary Statement for PSR or PSR-PDS

The following units must evaluate the project to determine if there are any environmental commitments, permits, and or approvals necessary:

- Biology
- Cultural Resources
- Hazardous Waste
- Landscape
- Hydrology
- Water Quality
- Geology
- Paleontology

10. Disclaimer

This Preliminary Environmental Analysis Report (PEAR) provides information to support programming of the proposed project. It is not an environmental determination or document. Preliminary analysis, determinations, and estimates of mitigation costs are based on the project description provided in the Project Study Report (PSR). The estimates and conclusions in the PEAR are approximate and are based on cursory analyses of probable effects. A reevaluation of the PEAR will be needed for changes in project scope or alternatives, or in environmental laws, regulations, or guidelines.

11. List of Preparers

Cultural Resources specialist N/A	Date:
Biologist N/A	Date:
Community Impacts specialist N/A	Date:
Noise and Vibration specialist N/A	Date:
Air Quality specialist N/A	Date:
Paleontology specialist/liaison N/A	Date:
Water Quality specialist N/A	Date:
Hydrology and Floodplain specialist N/A	Date:
Hazardous Waste/Materials specialist N/A	Date:
Visual/Aesthetics specialist N/A	Date:
Energy and Climate Change specialist N/A	Date:
Other: N/A	Date:
PEAR Preparer (Name and Title) Sally Moawad, Associate Environmental Planner	Date: 8/15/11

12. Review and Approval

I confirm that environmental cost, scope, and schedule have been satisfactorily completed and that the PEAR meets all Caltrans requirements. Also, if the project is scoped as a routine EA, complex EA, or EIS, I verify that the HQ DEA Coordinator has concurred in the Class of Action.

Environmental Branch Chief — Date: 8/17/11

Project Manager — Date: 8.17.11

REQUIRED ATTACHMENTS:

Attachment B: Estimated Resources by WBS Code

ATTACHMENT B - Resources by WBS Code

EA: 28920K

Descrip Landscaping

WBS current 11/2008

Assigned Unit	Senior	Coord	Biology	Cultural	Haz Waste	Socio-Economic	Storm Water	Noise/Air	Paleo	Sup Svcs	Total	Begin Date	End Date	Duration (days)
Project Management														
100.05.05 – Project Init. & Plng.											0			0
100.05.10 – PID Cmpnt Exec. & Ctrl.	3	3								8	14			0
100.05.15 – PID Cmpnt Closeout											0			0
100.10.05 – PA&ED Cmpnt Init. & Plng.											0			0
100.10.10 – PA&ED Cmpnt Exec. & Ctrl.	4	4								8	16			0
100.10.15 – PA&ED Cmpnt Closeout											0			0
100.10.20 – Project Shelving (PA&ED)											0			0
100.10.25 – Project Unshelving (PA&ED)											0			0
100.10.30 – Updd Admtv Rec during PA&ED											0			0
100.10.35 – Execd Coop Agre for PA&ED Process											0			0
100.15.05 – PS&E Cmpnt Init. & Plng.											0			0
100.15.10 – PS&E Cmpnt Exec. & Ctrl.										8	8			0
100.15.15 – PS&E Cmpnt Closeout											0			0
100.15.20 – Project Shelving (PS&E)											0			0
100.15.25 – Project Unshelving (PS&E)											0			0
100.15.30 – Updd Admtv Rec during PS&E											0			0
100.15.35 – Execd Coop Agre for PS&E Process											0			0
100.20.05 – Const. Cmpnt Init. & Plng.											0			0
100.20.10 – Const. Cmpnt Exec. & Ctrl.										3	3			0
100.20.15 – Const. Cmpnt Closeout											0			0
100.20.20 – Project Shelving (Construction)											0			0
100.20.25 – Project Unshelving (Construction)											0			0
100.20.30 – Updd Admtv Rec during Const											0			0
100.20.35 – Execd Coop Agre for Const Process											0			0
100.25.05 – R/W Cmpnt Init. & Plng.											0			0
100.25.10 – R/W Cmpnt Exec. & Ctrl.											0			0
100.25.15 – R/W Cmpnt Closeout											0			0
100.25.20 – Project Shelving (Right of Way)											0			0
100.25.25 – Project Unshelving (Right of Way)											0			0
100.25.30 – Updd Admtv Rec during R/W											0			0
100.25.35 – Execd Coop Agre for R/W Process											0			0
100.25.50 – Execd Coop Agre for R/W Rlnmnt											0			0
Total Project Management	7	7	0	0	0	0	0	0	0	27	41			
Perform Preliminary Engineering Studies and Prepare Draft Project Report														
160.05.05 – Approvd PID Review											0			0
160.05.10 – Geotechnical Information Review											0			0
160.05.20 – Traffic Data & Forecasts Review											0			0
160.05.30 – Project Scope Review											0			0
160.10.20 – Value Analysis											0			0
160.10.25 – Hydraulics/Hydro Study											0			0
160.10.30 – Hwy Planting Des Concepts											0			0
160.15.20 – Draft Project Report											0			0
160.15.25 – Draft PR Circ, Rev & App	2	2									4			0
160.30.05 – Maps for ESR											0			0
160.30.10 – Surveys/Maps for Env Studies											0			0
160.30.15 – Prop Access Rights for Env/Eng Studie	2	2									4			0
160.40 – NEPA Delegation											0			0
Total Prelim Eng Studies	4	4	0	0	0	0	0	0	0	0	8			

Assigned Unit	Senior	Coord	Biology	Cultural	Haz Waste	Socio-Economic	Storm Water	Noise/Air	Paleo	Sup Svcs	Total	Begin Date	End Date	Duration (days)
Perform Environmental Studies and Prepare Draft Environmental Document														
165.05.05 – Project Information Review	8	8	1	1			1	1			20			0
165.05.10 – Pub & Agency Scoping								2			2			0
165.05.15 – Alts for Further Study											0			0
165.10.15 – CIA, Land Use & Growth						3					3			0
165.10.25 – Noise Study								21			21			0
165.10.30 – Air Quality Study											0			0
165.10.35 – Water Quality Studies							8				8			0
165.10.40 – Energy/Climate Change Studies											0			0
165.10.45 – Sum Geotech Report											0			0
165.10.50 – Preliminary Site Investigation HW					20						20			0
165.10.55 – Draft R/W Relocation Impact Eval											0			0
165.10.65 – Paleontology Study											0			0
165.10.70 – Wild & Scenic River Coordination											0			0
165.10.75 – Envir Commitments Record	8	40									48			0
165.10.99 - Other Env Studies											0			0
165.15.05 – Biological Assessment											0			0
165.15.10 – Wetlands Study											0			0
165.15.15 – Resource Agency Coord			10				1				11			0
165.15.20 – NES Report			9								9			0
165.15.99 – Other Biological Studies											0			0
165.20.05 – Archaeology Survey											0			0
165.20.05.05 – APE Map											0			0
165.20.05.10 – NA Consultation											0			0
165.20.05.15 – Records & Literature Search											0			0
165.20.05.20 – Field Survey											0			0
165.20.05.25 – ASR				43							43			0
165.20.05.99 – Other Archy Survey Products											0			0
165.20.10 – Extended Phase I Archy Studies											0			0
165.20.10.05 – Native American Consultation											0			0
165.20.10.10 – Extended Phase I Proposal											0			0
165.20.10.15 – XP1 Field Investigation											0			0
165.20.10.20 – XP1 Materials Analysis											0			0
165.20.10.25 – Extended Phase I Report											0			0
165.20.10.99 – Other Phase I Archy Products											0			0
165.20.15 – Phase II Archy Studies											0			0
165.20.15.05 – NA Consultation											0			0
165.20.15.10 – Phase II Proposal											0			0
165.20.15.15 – Field Investigation											0			0
165.20.15.20 – Materials Analysis											0			0
165.20.15.25 – Phase II Report											0			0
165.20.15.99 – Other Phase II Archy Products											0			0
165.20.20 – Hist & Architectural Studies											0			0
165.20.20.05 – Prelim APE/Study Area Maps - Archi											0			0
165.20.20.10 – Hist Res Eval Rpt - Archy											0			0
165.20.20.15 – Hist Res Eval Rpt - Archi											0			0
165.20.20.20 – Bridge Evaluation											0			0
165.20.20.99 – Other H & A Study Products											0			0
165.20.25 – Cultural Res Comp Docs				11							11			0
165.20.25.05 – Final APE Maps											0			0
165.20.25.10 – PRC 5024.5 Consult											0			0
165.20.25.15 – HPSR/HRCR											0			0
165.20.25.20 – Finding of Effect											0			0
165.20.25.25 – Archy Data Recovery Pln											0			0
165.20.25.30 – MOA											0			0
165.20.25.99 – Other Cult Res Comp Products											0			0
165.25.05 – Draft ED Analysis											0			0
165.25.10 – 4(f) Evaluation											0			0
165.25.15 – CE/CE Determination	1	40									41			0
165.25.20 – Env Quality Control & Other Reviews	2	40	1	1	1		1	1			47			0
165.25.25 – Approval to Circ Resolution											0			0

Assigned Unit	Senior	Coord	Biology	Cultural	Haz Waste	Socio-Economic	Storm Water	Noise/Air	Paleo	Sup Svcs	Total	Begin Date	End Date	Duration (days)
165.25.30 – Env Coordination		21									21			0
165.25.99 – Other DED Products											0			0
165.30 – NEPA Delegation											0			0
Total Env Studies & Prep DED	19	149	21	56	21	3	11	25	0	0	305			
Permits, Agreements, and Route Adoptions during PA&ED Cmpnt														
170.05 - Required Permits (list)											0			0
170.10.05 - US Army Corps 404 Permit											0			0
170.10.10 - US Forest Service Permit(s)											0			0
170.10.15 - US Coast Guard Permit											0			0
170.10.20 - DFG 1600 Agreement(s)											0			0
170.10.25 - Coastal Zone Development Permit											0			0
170.10.30 - Local Agency Concurrence/Permit											0			0
170.10.40 - Waste Discharge (NPDES) Permit(s)											0			0
170.10.45 - US Fish & Wildlife Service Approval											0			0
170.10.50 - RWQCB 401 Permit											0			0
170.10.60 - Updated ECR											0			0
170.10.95 - Other Permits											0			0
170.45 - MOU from TERO Office											0			0
170.55 - NEPA Delegation											0			0
Total Permits, Agreements & Route Adoptions	0	0	0	0	0	0	0	0	0	0	0			
Circulate Draft Environmental Document and Select Preferred Project Alternative														
175.05.05 – Master Dist & Invitation Lists											0			0
175.05.10 – Notices Pub Hear & DED Avail											0			0
175.05.15 – DED Pub & Circulation											0			0
175.05.20 – Fed Consistency Det (Coastal)											0			0
175.05.99 – Other DED Circulation Products											0			0
175.10.05 – Need for Pub Hearing Determination											0			0
175.10.10 – Pub Hearing Logistics											0			0
175.10.15 – Displays for Pub Hearing											0			0
175.10.20 – 2nd Notice Pub Hear & Avail											0			0
175.10.25 – Map Display & Hearing Plan											0			0
175.10.30 – Display Pub Hear Maps											0			0
175.10.35 – Public Hearing											0			0
175.10.40 – Record of Public Hearing											0			0
175.10.99 – Other Pub Hearing Products											0			0
175.15 – Responses to Pub Hear Comments											0			0
175.20 – Project Preferred Alternative											0			0
175.25 – NEPA Delegation											0			0
Total DED & Preferred Alt	0	0	0	0	0	0	0	0	0	0	0			
Prepare and Approve Project Report and Final Environmental Document														
180.05.10 – Approved Project Rep	3						2				5			0
180.05.15 – Updated Stormwater Data Report							1				1			0
180.10.05 – Approved FED											0			0
180.10.05.05 – Draft FED Review											0			0
180.10.05.10 – Revised Draft FED											0			0
180.10.05.15 – Section 4(f) Evaluation											0			0
180.10.05.20 – Findings Report											0			0
180.10.05.25 – Statement of Overriding Consid											0			0
180.10.05.30 – CEQA Certification											0			0
180.10.05.35 – FHWA and Approval											0			0
180.10.05.40 – Section 106 Cons & MOA											0			0
180.10.05.45 – Section 7 Consultation											0			0
180.10.05.50 – Final Section 4(f) Statement											0			0
180.10.05.55 – Floodplain Only PAF											0			0
180.10.05.60 –Wetlands Only PAF											0			0
180.10.05.65 – Sect 404 Permit Compliance											0			0
180.10.05.70 – Mitigation Measures											0			0
180.10.10 – Public Dist & Resp to Comments											0			0

Assigned Unit	Senior	Coord	Biology	Cultural	Haz Waste	Socio-Economic	Storm Water	Noise/Air	Paleo	Sup Svcs	Total	Begin Date	End Date	Duration (days)
180.10.15 – Final R/W Relo Impact Document											0			0
180.10.99 – Other FED Products											0			0
180.15.05 – ROD (NEPA)											0			0
180.15.10 – NOD (CEQA)											0			0
180.15.20 – Env Commitments Record	1	40	1	1	1	1	1	1	1		48			0
180.15.99 – Other Complete ED Products											0			0
180.20 – NEPA Delegation											0			0
Total App PR & FED	4	40	1	1	1	1	4	1	1	0	54			
Update Project Info for PS&E														
185.05.05 – Project Concept Review for PS&E	8	8	1	1	1		1		1		21			0
185.05.10 – Updated Project Info for PS&E dev	1	1	1	1	1		1		1		7			0
Total Update for PS&E	9	9	2	2	2	0	2	0	2	0	28			
ROW & Excess Land														
195.40.25 – Property Maint & Rehab (non-rental)											0			0
195.40.35 – Transfer of Prop to Clear Status											0			0
195.45.05 – Excess Lands Inventory											0			0
195.45.20 – Prop Disp Units less than $15 K											0			0
195.45.25 – Prop Disp Units $15 K -$500 K											0			0
195.45.30 – Prop Disp Units over $500 K											0			0
Total ROW & Excess Land	0	0	0	0	0	0	0	0	0	0	0			
Utility Relocation														
200.15 – Approved Utility Relocation Plan											0			0
200.20 – Utility Relocation Package											0			0
Total Coordinate Utilities	0	0	0	0	0	0	0	0	0	0	0			
Permits, Agreements, and Route Adoptions during PS&E Cmpnt														
205.10.05 - US Army Corps 404 Permit											0			0
205.10.10 - US Forest Service Permit(s)											0			0
205.10.15 - US Coast Guard Permit											0			0
205.10.20 - DFG 1600 Agreement											0			0
205.10.25 - Coastal Development Permit											0			0
205.10.30 - Local Agency Concurrence/Permit											0			0
205.10.40 - Waste Discharge (NPDES) permit							1				1			0
205.10.45 - US Fish & Wildlife Service Approval											0			0
205.10.50 - RWQCB 401 Permit											0			0
205.10.60 - Updated ECR											0			0
205.10.95 - Other Permits											0			0
205.20.05 – Draft Fwy Agreement											0			0
205.20.10 – Draft Fwy Agree Review											0			0
205.20.15 – Final Fwy Agree											0			0
205.20.20 – Executed Fwy Agreement											0			0
205.40.10 - New Connections & Route Adopt Sbtl											0			0
205.55 - NEPA Delegation											0			0
Total Permits, Agreements, and Route Adoptions	0	0	0	0	0	0	1	0	0	0	1			

Assigned Unit	Senior	Coord	Biology	Cultural	Haz Waste	Socio-Economic	Storm Water	Noise/Air	Paleo	Sup Svcs	Total	Begin Date	End Date	Duration (days)
Right of Way Interests														
225.55.20 – Right of Way Clearance											0			0
Total Right of Way Interests	0	0	0	0	0	0	0	0	0	0	0			
Prepare Draft PS&E														
230.05.45 – Noise Barrier Plans											0			0
230.10.05 – Hwy Planting Plans											0			0
230.10.15 – Plant List											0			0
230.35.10 – Hwy Planting Specs											0			0
230.35.35 – Water Pollution Ctrl Specs											0			0
230.35.40 – Erosion Control Specs											0			0
230.60 – Updated Proj Info for PS&E Package	8	8	1	1	1		1		1		21			0
230.60.05 - Updated Storm Water Data Report											0			0
230.60.10 – Other Reviews/Updates Proj Info											0			0
230.90 – NEPA Delegation											0			0
Total Prepare Draft PS&E	8	8	1	1	1	0	1	0	1	0	21			
Mitigate Environmental Impacts and Clean-up Hazardous Waste														
235.05.05 – Hist Structures Mitig											0			0
235.05.10 – Archy & Cult Mitigation											0			0
235.05.15 – Biological Mitigation											0			0
235.05.20 – Env Mitigation R/W work											0			0
235.05.25 – Paleontology Mitigation											0			0
235.05.99 - Other Env Mitigation Products											0			0
235.10.10 – Haz Waste Sites Survey											0			0
235.10.15 – Detailed HW Sites Investigation											0			0
235.15 – HW Management Plan											0			0
235.20 – HW PS&E											0			0
235.25 – HW Clean-up											0			0
235.30 – Certification of Sufficiency (HW)											0			0
235.35 – Long Term Mitigation Monitoring											0			0
235.40 – Updated ECR	1	8	1	1	1		1		1		14			0
235.45 – NEPA Delegation											0			0
Total Mitigation & HW Clean-up	1	8	1	1	1	0	1	0	1	0	14			
Permits for Subsurface Geotechnical Exploration														
240.70 – Site Ready for Subsurface Exploration											0			0
Total Geotechnical Permit	0	0	0	0	0	0	0	0	0	0	0			
Circulate, Review and Prepare Final District PS&E Package														
255.05 – Circ & Rev Draft Dist PS&E	8	40	1	1	1		1		1		53			0
255.10.25 - Updated Technical Reports											0			0
255.15 – Env Reevaluation											0			0
255.20.05 - Rev Plans for Stds Comp											0			0
255.40 - Res Engs Pending File											0			0
255.45 – NEPA Delegation											0			0
Total PS&E	8	40	1	1	1	0	1	0	1	0	53			

Assigned Unit	Senior	Coord	Biology	Cultural	Haz Waste	Socio-Economic	Storm Water	Noise/Air	Paleo	Sup Svcs	Total	Begin Date	End Date	Duration (days)
Prepare Contract Documents														
260.75 - Env Cert at RTL	1	40	1	1	1		1		1		46			0
Total Prepare Contract Documents	1	40	1	1	1	0	1	0	1	0	46			
Perform Construction Engineering and General Contract Administration														
270.20.50 – Technical Support											0			0
270.55 – Final Inspect & Accept Rec	1	1	1	1	1		1		1		7			0
270.70 – Update ECR	8	8	1	1	1		1		1		21			0
270.75 – Permit Renewal & Extension											0			0
270.80 – Long-Term Mitigation Contract											0			0
Total Const Engineering	9	9	2	2	2	0	2	0	2	0	28			
Prepare and Administer Contract Change Orders														
285.05.05 - Need for CCO Determination											0			0
285.10.15 – Other Func Support											0			0
Total CCOs	0	0	0	0	0	0	0	0	0	0	0			
Resolve Contract Claims														
290.35 – Provide Techinical Support											0			0
Total Contract Claims	0	0	0	0	0	0	0	0	0	0	0			
Accept Contract, Prepare Final Construction Estimate & Prepare Final Report														
295.35 – Cert of Env Compliance	8	40	1	1	1		1		1		53			0
295.40 – Long-Term Mitigation Contract											0			0
Total Final Construction	8	40	1	1	1	0	1	0	1	0	53			
Total Project Hours	78	354	31	66	31	4	25	26	10	27	652			

Dist-County-Route: 07-LA-710
Post Mile Limits: 17.4-21.0
Project Type: SOURCE CONTROL
Project ID (or EA): 0700021113 (28920K)
Program Identification: 201.335
Phase: ☒ PID
☐ PA/ED
☐ PS&E

Regional Water Quality Control Board(s): Los Angeles RWQCB, Region 4

1.	Is the project required to consider incorporating Treatment BMPs?	Yes ☐	No ☒
2.	Does the project disturb 5 or more acres of soil?	Yes ☐	No ☒
3.	Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver?	Yes ☐	No ☒
4.	Does the project potentially create permanent water quality impacts?	Yes ☐	No ☒
5.	Does the project require a notification of ADL reuse	Yes ☐	No ☒

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Storm Water Data Report.

Estimate Construction Start Date: Sept 30, 2018 **Construction Completion Date:** Sept 30, 2019

Separate Dewatering Permit (if yes, permit number) Yes ☐ Permit # _____ No ☒

Erosivity Waiver Yes ☐ Date: _____ No ☒

This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

9.23.11
Jennifer Taira, Registered Project Landscape Architect *Date*

I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

8/28/2011
Shirley Pak, District/Regional SW Coordinator or Designee *Date*

[Stamp Required for PS&E only)

1. Project Description

- This is a source control project on Interstate 710 between Post Mile 17.40 to 21.0. The proposed project is located on Route 710 in the Cities of South Gate and Bell from the Los Angeles River to Slauson Avenue over crossing. The intent of this project is to plant intermittent bare slopes throughout the project limits to control runoff and installing new irrigation equipment to keep the plant material alive. The project is proposed to take one year to construct and an additional three years of plant establishment. There will be no change in line/grade or hydraulic capacity. The project will not create new slopes or modify existing slopes. It will not create or modify ditches, dikes, berms, or swales. Cross drains will not be modified. Therefore, this project does not have the potential to deteriorate the storm water quality.
- The project has an estimated total disturbed soil area (DSA) of 0.90 acre based on an estimate of the amount of trenching required for irrigation lines, additional plant material and new paving for maintenance safety.
- There will be no slope or gore paving within the project limits. Therefore, there will not be an increase to impervious area within the project limits.
- There is no drainage system near the Los Angeles River Bridge within the project limit.
- There are no drinking water reservoirs and recharge facilities within the project limits.
- The RWQCB 401 certification is not required for this project.
- The receiving water bodies for this project are Los Angeles River Reach 2. Based on the U.S. Environmental Protection Agency's 303(d) list (USEPA, 2006) pollutants of concern in the Los Angeles River Reach 2 are trash, oil, lead, copper, ammonia, nutrients (algae) and coliform bacteria.
- The calculations for disturbed soil areas for planting are 4 square inches per cutting, 2/25 square feet per five gallon shrub and 4 square feet per 15 gallon tree.
- The project lies within the Municipal Separate Storm Sewer Systems (MS4s), of Los Angeles County.

  Los Angeles River established TMDLs:

  Los Angeles River Trash TMDL

  The Los Angeles River Trash TMDL became effective August 28, 2002. Caltrans is proceeding with Trash TMDL Implementation Projects, which are to retrofit Gross Solid Removal Devices (GSRDs) at the existing drainage outfalls in the rights-of-way. Table A lists those Trash TMDL Implementation Projects that are either in construction or completed. Any projects that overlap within the limits of freeway corridors listed in Table A are not required to consider GSRDs for those overlapping limits.

		PM		
EA	ROUTE	From	To	Status
226611	405	30.31	36.16	completed
226711	60	2.7	6.6	completed
	710	22.5	23.8	
2266A1	5	27.62	28.15	completed
	10	9.02	13.82	
	90	1.84	2.70	
2267A1	10	5.59	8.80	In construction
	91	10.25	13.88	
	105	8.25	13.15	
	110	21.65	23.61	
231311	2	15.40	21.46	completed
	101	7.21	7.21	
	170	14.78	19.92	
	134/710	13.34	13.34	
	210	22.73	23.88	
	405	25.46	29.41	
235901	5	16.35	16.35	In construction
	101	12.70	26.50	
	134	0.00	9.86	

Los Angeles River Nitrogen Compounds and Related Effects TMDL

The Los Angeles River Nitrogen Compounds and Related Effects TMDL became effective March 23, 2004. The TMDL requires the Storm Water NPDES Permittees to submit a Monitoring Work Plan by March 23, 2005 to estimate nitrogen loadings associated with runoff from the storm drain systems. County of Los Angels has submitted the Monitoring Work plan as required on behalf of Caltrans and other Storm Water NPDES Co-Permittees in the watershed. Targeted pollutants are Total ammonia as nitrogen (NH#-N), Nitrate-nitrogen (NO3-N), nitrite-nitrogen (NO2-N), and Nitrate nitrogen plus nitrite-nitrogen (NO3-N +NO2-N). The Department's monitoring data depicts Caltrans discharges to be below the TMDL limits, thus no additional measures are needed to be considered for meeting the conditions of the Nitrogen TMDL.

Los Angeles River and Tributaries Metals TMDL

The Los Angeles River and Tributaries Metals TMDL became effective on January 11, 2006. Caltrans will work with 5 groups of Responsible Agencies toward compliance of the TMDL. Targeted Pollutants are total Cu, Pb, Zn, Cd, and Se.

Future TMDL

Total Maximum Daily Loads for Indicator Bacteria in the Los Angeles River

The Total Maximum Daily Loads for Indicator Bacteria in the Los Angeles River was adopted by the Los Angeles Regional Water Quality Control Board on July 8, 2010. It is anticipated the TMDL to become effective in the near future. The TMDL requires the Responsible Agencies, including Caltrans, to reduce number of exceedance days of bacteria concentrations in the Los Angeles River and achieve waste load allocations in 25 years. Caltrans will be working in a group of Responsible Agencies to jointly comply with the TMDL.

2. Construction Site BMPs

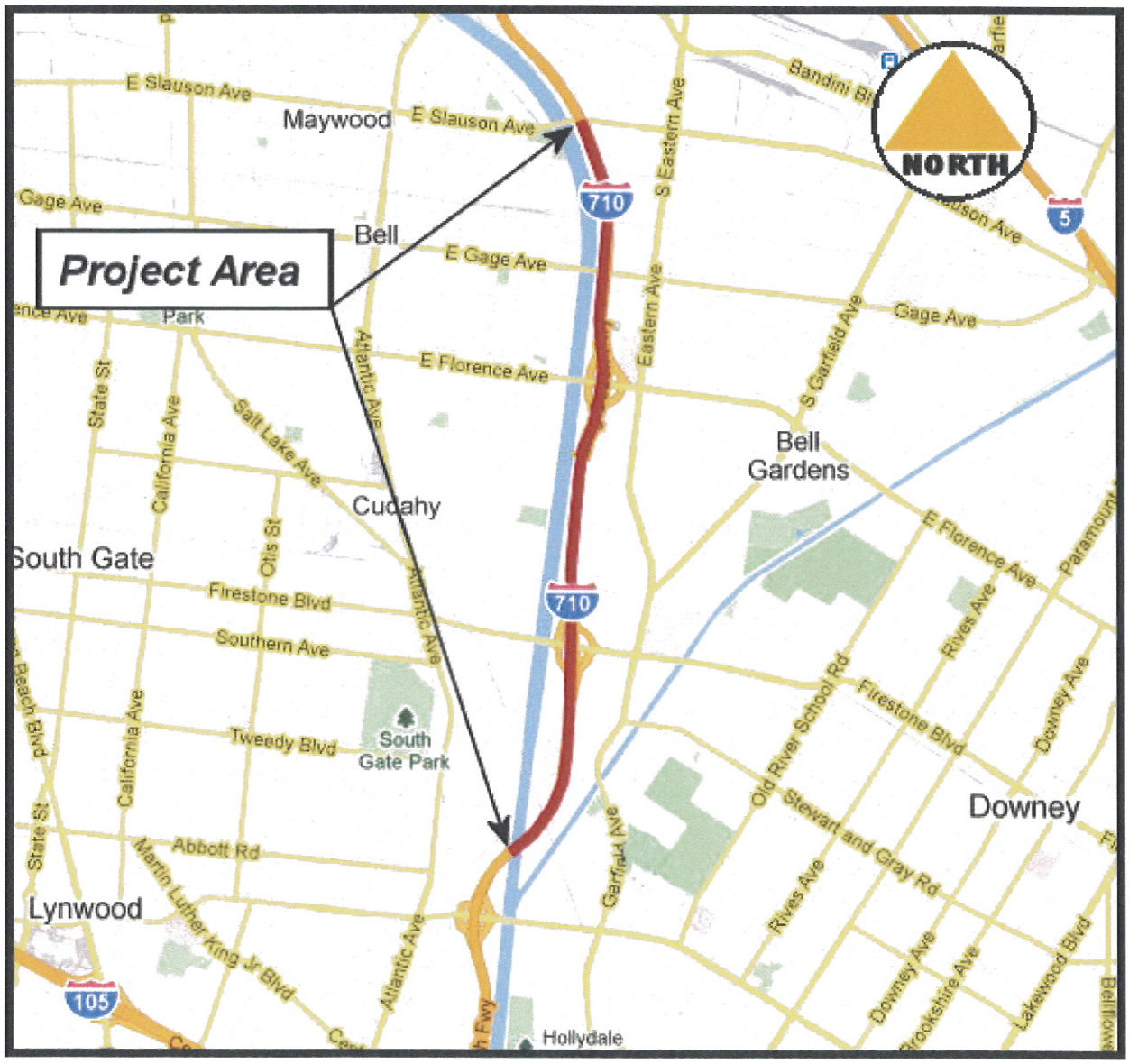
- A Water Pollution Control Program (WPCP) is required since the project will disturb less than 1 acre of soil
- Construction Site Management lump sum items will include Water Control and Conservation, Illegal Connection and Discharge Detection and Reporting, Vehicle and Equipment Fueling and Maintenance, Sweeping, Spill Prevention and Control, Material Management, Material Storage, Solid Waste, Spill Prevention and Control, Preservation of Property, Preservation of existing vegetation, and Sanitary and Septic Waste.
- Construction Site BMPs to be designated as separated Bid Line Items will include Temporary Fiber Roll, Temporary Silt Fence, Temporary Gravel Bag Berm, and Temporary Drainage Inlet Protection, Street Sweeping and Temporary Concrete Washout.
- Supplemental cost items will include Water Pollution Maintenance Sharing, Additional Water Pollution Control and prepare WPCP.
- On 6/3/11 Aythem Al-Saleh, District Construction Storm Water coordinator agreed to the temporary construction site BMP strategy used for the scope of work of this project
- Construction Site BMP costs were estimated using the percentage method and calculated at 2.6% of the total project cost. The estimated cost for Construction Site BMPs is $78,000 per the Storm Water Quality Handbook, Project Planning and Design Guide, May 2007.

3. Required Attachments[1]

- Vicinity Map
- Evaluation Documentation Form

[1] Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g. BMP line item estimate, DPP, CS checklists, etc).

07-LA-710 PM 17.4/21.0
201.335
EA 28920K
EFIS 0700021113



DATE: June 22, 2011

Project ID (or EA): 0700021113
(EA 28920K)

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If **Yes**, go to 10. If **No**, continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.	✓		If **Yes**, contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. S.P. *(Dist 07/Reg SW Coordinator)* If **No**, continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If **Yes**. *(County of Los Angeles)*, go to 5. If **No**, document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If **Yes**, continue to 6. If **No**, go to 10.
6.	Is it a new facility or major reconstruction?		✓	If **Yes**, continue to 8. If **No**, go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?		✓	If **Yes**, continue to 8. If **No**, go to 10.
8.	Does the project result in a net increase of one acre or more of new impervious surface?			If **Yes**, continue to 9. If **No**, go to 10. 0 ac *(Net Increase New Impervious Surface)*
9.	Project is required to consider approved Treatment BMPs.			See Sections 2.4 and either Section 5.5or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
10.	Project is not required to consider Treatment BMPs. S.P. *(Dist 07/Reg. Design SW Coord. Initials)* *(Project Engineer Initials)* 8.25.11 *(Date)*	✓		Document for Project Files by completing this form, and attaching it to the SWDR.

1 *See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs*

07-LA 710 PM 18.7/21.0
335
EA 28920K

8.16.11

Name	Unit
Jennifer Taiwa	Land Arch
Ed Sirvlahdr	Maintenance
~~HUNG~~ ~~THAM~~	Hazardous Waste
Lily Lohmangkol	stormwater
FRANCIS LAM	CONSTRUCTION
Dennis Snyder	PM
Hong-Thuy Vu	DTM (operations)
CHALS OGBUEFI	T.I.
NABIL ESKANDER	Ramp Metering

State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

Flex your power!
Be energy efficient!

To: **JENNIFER TAIRA,** District Landscape Architect
Office of Design Branch C - Landscape Architecture

Date: August 18, 2011

File: 07-LA-710
PM 18.7/20.1
07-28920K
Project ID: 0700021113

From: **DENIS KATAYAMA**, TMP Manager
Office of District Traffic Manager
DEPARTMENT OF TRANSPORTATION

Subject: Transportation Management Plan (TMP) Datasheet

Attached is the approved TMP Datasheet for the above referenced project. Any change in scope of work will need a re-evaluation of TMP elements and cost.

Following is a TMP element, as identified in the TMP Data Sheet, that should be included in the "State Furnished Material" of the Basic Engineering Estimating System:

066062	COZEEP Contract	$11,000

If you have any questions, please contact Hong-Thuy Vu of my staff at 7-8882 or myself at 7-6143.

Denis Katayama

Denis Katayama, STE
Office of District Traffic Manager - South

c: File

TRANSPORTATION MANAGEMENT PLAN DATASHEET
(TMP Elements and Costs)

Co/Rte/PM LA-710-18.7/21.0 EA 28920K Alternative No. PSR

Project Limit From Firestone Blvd to Slauson Ave

Project Description Planting and irrigation

1) Public Information

- ☐ a. Brochures and Mailers $
- ☒ b. Press Release
- ☐ c. Paid Advertising $
- ☐ d. Public Information Center/Kiosk $
- ☐ e. Public Meeting/Speakers Bureau
- ☐ f. Telephone Hotline
- ☒ g. Internet
- ☐ h. Others _____ $

2) Motorists Information Strategies

- ☐ a. Changeable Message Signs (Fixed) $
- ☐ b. Changeable Message Signs (Portable) $
- ☐ c. Ground Mounted Signs $
- ☐ d. Highway Advisory Radio $
- ☐ e. Caltrans Highway Information Network (CHIN)
- ☐ f. Others _____ $

3) Incident Management

- ☒ a. Construction Zone Enhanced Enforcement Program (COZEEP) $11,000
- ☐ b. Freeway Service Patrol $
- ☐ c. Traffic Management Team
- ☐ d. Helicopter Surveillance $
- ☐ e. Traffic Surveillance Stations (Loop Detector and CCTV) $
- ☐ f. Others _____ $

4) Construction Strategies

- [x] a. Lane Closure Chart
- [ ] b. Reversible Lanes
- [ ] c. Total Freeway Mainline Closure
- [ ] d. Extended Weekend Closure
- [ ] e. Contra Flow
- [ ] f. Truck Traffic Restrictions $ _____
- [ ] g. Reduced Speed Zone $ _____
- [ ] h. Connector and Ramp Closures
- [ ] i. Incentive and Disincentive $ _____
- [ ] j. Moveable Barrier $ _____
- [ ] k. Others _____ $ _____

5) Demand Management

- [ ] a. HOV Lanes/Ramps (New or Convert) $ _____
- [ ] b. Park and Ride Lots $ _____
- [ ] c. Rideshare Incentives $ _____
- [ ] d. Variable Work Hours
- [ ] e. Telecommute
- [ ] f. Ramp Metering (Temporary Installation) $ _____
- [ ] g. Ramp Metering (Modify Existing) $ _____
- [ ] h. Others _____ $ _____

6) Alternative Route Strategies

- [ ] a. Add Capacity to Freeway Connector/Ramps $ _____
- [ ] b. Street Improvement (widening, traffic signal... etc) $ _____
- [ ] c. Traffic Control Officers $ _____
- [ ] d. Parking Restrictions
- [ ] e. Others _____ $ _____

7) Other Strategies

- [ ] a. Application of New Technology $ _____
- [ ] e. Others _____ $ _____

TOTAL ESTIMATED COST OF TMP ELEMENTS = $11,000

Project Notes:

8/18/2011

1. A Public Awareness Campaign (PAC) strategy was prepared by Media Affairs on 8/16/11. PAC includes press release only and there is no associated cost.
2. Construction shall notify Caltrans' Office of Media Relations/Public Affairs at least a month prior to the start of construction in order to initiate Public Awareness Campaign.
3. COZEEP cost estimate was provided by Construction Traffic Manager on 8/18/2011. COZEEP cost amount of $11,000 shall be included in the BEES list item # 066062.
4. Work shall conform to the lane requirement charts included in the Maintaining Traffic Specifications.
5. Anticipated start date of construction is around June 2019, with duration of approximately 6 months with the cost of $3,000,000.
6. Any change to the scope of the work of project will require a re-evaluation of the TMP Data Sheet.

PREPARED BY _____ DATE 8/18/11
Hong-Thuy Vu,
Transportation Engineer

APPROVAL RECOMMENDED BY _____ DATE 8/18/11
Denis Katayama,
Senior Transportation Engineer

APPROVED BY _____ DATE 8/18/11
John Yang, District Traffic Manager

State of California Business, Transportation and Housing Agency

Memorandum

Flex your power!
Be energy efficient!

To: Jennifer Taira, STE
Landscape Architecture

Date: August 31, 2011

File: 07-LA-710 PM17.4/21.0
Landscape Restoration
and Storm Water
Treatment Project
Los Angeles River
Bridge to Slauson Ave
OC in Los Angeles
County

PN: 1846-0700021113-K
EA: 07-333-28920K

From: **DEPARTMENT OF TRANSPORTATION**
OEECS – HAZARDOUS WASTE BRANCH, SOUTH REGION, MS 16

Subject: *Preliminary Hazardous Waste Assessment for Draft Project Study Report/Project Report (PSR/PR)*

The Office of Environmental Engineering and Corridor Studies (OEECS) is in receipt of your memorandum (via electronic mail), dated August 17, 2011, requesting a preliminary hazardous waste assessment for the subject Project Study Report/Project Report (PSR/PR). This is a landscape restoration and storm water treatment project located along Route 710 from Los Angeles River Bridge to Slauson Avenue Overcrossing (OC) in the cities of South Gate and Bell in Los Angeles County.

The Statewide National Pollution Discharge Elimination System (NPDES) Permit (Order No 99-06-DWQ) requires Caltrans to maximize erosion control and soil stabilization. Section IIa requires identifying road segments with slopes that are prone to erosion and discharge of sediment and stabilize these slopes to the extent possible. Section IIb requires enhancement of the use of appropriate vegetation throughout Caltrans right of way for the purpose for preventing erosion and removing pollutants in storm water and non-storm water runoff.

The purpose of this project is to comply with the Statewide NPDES Permit requirement to fix slopes having chronic erosion problems.

The specific scope of work includes planting trees and mulch on the slopes. Prostrate shrubs will be used at the top of slope to ensure full coverage. Install new irrigation system to accommodate new landscape areas. There will be no slope or gore paving on this project. However, temporary

disturbance to the existing slopes are unavoidable during the installation of the planting and irrigation work while in construction.

Based on OEECS' review of the draft PSR/PR, dated August 17, 2011, Google Street View, and discussion with Project Engineer, the proposed planting and irrigation works will involve minor soil disturbance. The potential hazardous waste of concern is aerially deposited lead (ADL) at the unpaved upper surface soil next to heavily travel way. ADL was deposited onto the roadway due to historical leaded gasoline usage which was ceased in mid 1980's.

According to the Department's HQ Lead testing Guidance (March 2001), minor soil disturbance projects define where soil will not be removed from the area of disturbance, waste will not be generated as defined in Title 26 of the California Code of Regulations (26CCR), the DTSC lead variance will not be invoked, and safety is the primary concern. It is important to notify the Contractor that lead is present and allow for the preparation of a project-specific Lead Compliance Plan (LCP) and lead compliance training as required by Title 8, section 1532.1 of California Code of Regulations (8CCR). Refer to http://t8web.dot.ca.gov/contractcost/ for the appropriate bid item including the Lead Compliance Plan (LCP) preparation cost.

Please note that this is a preliminary hazardous waste assessment is only applicable to the scope of work defined in the draft PSR/PR and it is not intended to be used as a final hazardous waste assessment for PS&E (Design Phase). A formal PS&E hazardous waste assessment request shall be required in order to perform detailed assessment and necessary standard special provisions for waste management during construction.

If you have any questions, I can be reached at steve.chan@dot.ca.gov, (213) 897-3646 or contact Hung Pham at hung.t.pham@dot.ca.gov, (213) 897-0936.

Steve Chan

Steve Chan, P.E., STE
District Hazardous Waste Coordinator, South Region
Office of Environmental Engineering and Corridor Studies

Attachment:

cc: File

Reference: *Lead Site Investigation Report, Route 710 Median Barrier upgrade Project from Firestone Boulevard to route 10 (KP29.7/42.4), Los Angeles County, California, Work Order No.07A1851-03, EA 242601, Contract No. 07A1751, Prepared for State of California, Department of Transportation, District 7, Division of Planning, Prepared by Ninyo & Moore, Geotechnical and Environmental Sciences Consultants, March 24, 2005, ID # 745.*